



Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

ATTY. DOCKET NO: 5119-12401

SERIAL NO: 10/824,772

APPLICANT: Koros et al.

CONFIRMATION NO.: 6708

FILING DATE: April 15, 2004

ART UNIT: 1724

FOREIGN PATENT DOCUMENTS

EXAM. INITIAL	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	A33	0 446 947	5/24/1995	EP			
	A34	0 820 805	1/28/1998	EP			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Initial	Ref. Des.	Article
	A01	Bai et al., " <i>Metal-ion mediated separation of propylene from propane using PPO membranes</i> ," Journal of Membrane Science, 147(1998) pp. 131-139.
	A02	Bell et al., " <i>Synthesis and Properties of Polyimidazopyrrolones</i> ," Journal of Polymer Science: Part A1 5(1967) pp. 3043-3060.
	A03	Bondi, "Catalog of Molecular Properties" in Physical Properties of Molecular Crystals, Liquid and Glasses, 1968, pp. 450-483 (Wiley, New York, NY).
	A04	Coleman, " <i>Isomers of Fluorine Containing Polyimides for Gas Separation Membranes</i> ," Ph. D dissertation, University of Texas at Austin TX 1992. 252 pages
	A05	Freeman, " <i>Basis of Permeability/Selectivity Tradeoff Relations in Polymeric Gas Separation Membranes</i> ", Macromolecules, 32(1999) pp. 375-380.
	A06	Ilinich et al., " <i>Separation of ethylene and ethane over polyphenyleneoxides membranes: transient increase of selectivity</i> ", Journal of Membrane Sciences, 82(1993) pp. 149-155.
	A07	Ito et al., " <i>Permeation of Propane and Propylene through Cellulosic Polymer Membranes</i> ," Journal of Applied Polymer Science, 38(1989) pp. 483-490 (Wiley, New York, NY).

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A08	Kim et al., "Relationship Between Gas Separation Properties and Chemical Structures in a Series of Aromatic Polyimides", Journal of Membrane Science, 37(1988) pp. 45-62 (Elsevier, Amsterdam).
A09	Kim et al., "Advanced Gas Separation Membrane Materials: Rigid Aromatic Polyimides," Separation Science and Technology, 23:12-13(1988) pp. 1611-1626 (Dekker, Inc.).
A10	Kim, "Gas Sorption and Permeation in a Series of Aromatic Polyimides," Ph.D. dissertation, University of Texas at Austin, TX, 1988, 159 pages.
A11	Koros et al., "Gas Separation Membrane Material Selection Criteria: Weakly and Strongly Interacting Feed Component Situations," Polymer Journal, 23:5 (1991) pp. 481-490.
A12	Koros et al., "CO ₂ Sorption in Poly(ethylene Terephthalate) above and below the Glass Transition," Journal of Polymer Science: Polymer Physics, 16(1978) pp. 1947-1963 (Wiley, New York, NY).
A13	Koros et al., "Sorption and Transport of Various Gases in Polycarbonate," Journal of Membrane Science, 2(1977) pp. 165-190 (Elsevier, Amsterdam).
A14	Lee et al., "Separation of propylene and propane by polyimide hollow-fiber membrane module," Journal of Membrane Science, 73(1992) pp. 37-45 (Elsevier, Amsterdam).
A15	Olson et al., "Polarographic Study of Coordination Compounds with Delocalized Ground States. Substituent Effects in Bis- and Trisdithiodiketone Complexes of Transition Metals," Journal of the American Chemical Society, 88:21(1966) pp. 4876-4882 (American Chemical Society, OH).
A16	Park et al., "Facilitated transport of olefin through solid PAAm and PAAm-graft composite membranes with silver ions," Journal of Membrane Science, 183(2001) pp. 163-170 (Elsevier, Amsterdam).
A17	Petropoulos, "Quantitative Analysis of Gaseous Diffusion in Glassy Polymers," Journal of Polymer Science: Part A-2, 8(1970) pp. 1797-1801 (Wiley, New York, NY).

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	A18	Pinnau et al., " <i>Solid polymer electrolyte composite membranes for olefin/paraffin separation</i> ," Journal of Membrane Science, 184(2001) pp. 39-48 (Elsevier, Amsterdam).
	A19	Robeson, " <i>Correlation of separation factor versus permeability for polymeric membranes</i> ," Journal of Membrane Science, 62(1991) pp. 165-185 (Elsevier, Amsterdam).
	A20	Scott et al., " <i>Polyimidazopyrrolone Reverse Osmosis Membranes</i> ," Polymer Letters, 8(1970) pp. 563-571.
	A21	Shimazu et al., " <i>Relationships between the Chemical Structures and the Solubility, Diffusivity, and Permselectivity of Propylene and Propane in 6FDA-Based Polyimides</i> ," Journal of Polymer Science: Part B: Polymer Physics, 38(2000), pp. 2525-2536 (Wiley, New York, NY).
	A22	Shimazu et al., " <i>Relationships Between Chemical Structures and Solubility, Diffusivity, and Permselectivity of 1,3-Butadiene and n-Butane in 6FDA-Based Polyimides</i> ," Journal of Polymer Science: Part B: Polymer Physics, 37(1999) pp. 2941-2949 (Wiley, New York, NY).
	A23	Staudt-Bickel et al., " <i>Olefin/paraffin separation with 6FDA-based polyimide membranes</i> ," Journal of Membrane Science, 170(2000) pp. 205-214 (Elsevier, Amsterdam).
	A24	Steel, " <i>Carbon Membranes for Challenging Gas Separations</i> ," Ph.D. dissertation, The University of Texas at Austin TX, 2000, 199 pages.
	A25	Tanaka et al., " <i>Permeation and separation properties of polyimide membranes to olefins and paraffins</i> ," Journal of Membrane Science, 121(1996) pp. 197-207 (Elsevier, Amsterdam).
	A26	Van Krevelen et al., " <i>Volumetric Properties</i> " in Properties of Polymers: Their Estimation and Correlation with Chemical Structure, 2 nd Edition, Elsevier, Amsterdam, 1976, pp. 51-79.
	A27	Vieth et al., " <i>Dual Sorption Theory</i> ," Journal of Membrane Science, 1(1976), pp. 177-220 (Elsevier, Amsterdam).

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	A28	Walker, " <i>Synthesis and Characterization of Polypyrrolones for Gas Separation Membranes</i> ," Ph.D. dissertation, The University of Texas at Austin, Texas, 1993, 188 pages.	
	A29	Walker et al., " <i>Transport characterization of a polypyrrolone for gas separations</i> ," Journal of Membrane Science, 55(1991) pp. 99-117 (Elsevier, Amsterdam).	
	A30	Wang et al., " <i>Toward Separation and Purification of Olefins Using Dithiolene Complexes: An Electrochemical Approach</i> ," Science, 291(2001) pp. 106-109.	
	A31	Zimmerman, " <i>Advanced Gas Separation Membrane Materials: Hyper Rigid Polymers and Molecular Sieve-Polymer Mixed Matrices</i> ," Ph.D. dissertation, The University of Texas at Austin, TX, 1998, 322 pages.	
	A32	Burns, " <i>Investigation of Poly(pyrrolone-imide) Materials for the Olefin/Paraffin Separation</i> ," Ph.D. dissertation, The University of Texas at Austin, TX, 2002, 213 pages.	
	A35	European Patent Office, " <i>International Search Report</i> ," International Application No. PCT/US02/03962 mailed August 27, 2003, 7 pages.	
	A36	European Patent Office, " <i>International Preliminary Examination Report</i> " for International Application No. PCT/US02/03962 mailed September 19, 2003, 8 pages.	

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